

I claim:

1. An automatic phone-answering method by ring duration of a communication device comprising the steps of:
 - 5 determining whether an elapsed time counter is activated when there is an incoming call;
 - stopping the action of said elapsed time counter if said elapsed time counter is activated;
 - determining whether a timer counts out a predetermined ring duration;
 - 10 determining whether a counter counts out predetermined calling number if said timer counts out the predetermined ring duration;
 - automatically answering the incoming call if said counter counts out the predetermined calling number; and
 - resetting said counter to an initial state.
2. The automatic phone-answering method by ring duration as claimed in claim 15 1, wherein said counter is reset and said timer is activated if said elapsed time counter hasn't been activated.
3. The automatic phone-answering method by ring duration as claimed in claim 1, wherein said counter is reset and said timer is activated if said timer doesn't count out the predetermined ring duration.
- 20 4. The automatic phone-answering method by ring duration as claimed in claim 2, wherein said timer is stopped and said counter is reset to the initial state if the incoming call is answered by someone after said timer is activated.
5. The automatic phone-answering method by ring duration as claimed in claim 2, wherein the incoming call is ringed off and said timer is stopped if there is

no one answering the incoming call after said timer is activated.

6. The automatic phone-answering method by ring duration as claimed in claim 5, wherein after said timer is stopped, the value of said time is immediately checked, and whether the value of said timer is the predetermined value is determined, and said counter is reset to the initial state if the answer is no, or the value of said counter is added by 1 and said elapsed time counter is activated and then said counter is reset to the initial state if the answer is yes.

7. The automatic phone-answering method by ring duration as claimed in claim 1, wherein said communication device can be a telephone or a mobile phone.